

AMENDMENTS TO THE CLAIMS:

Please cancel claim 3 without prejudice or disclaimer, and amend the claims as follows:

1. (Currently Amended) An electrostatic charge image developing toner, comprising:

a fixing resin; and

a wax comprising a plurality of wax components;

wherein following formulae (1), (2) and (3) are satisfied

k

$$T = \sum_{N=1}^k T_n \cdot W_n / 100 \quad \dots (1)$$

$N=1$

$$T > 56 \quad \dots (2)$$

$$W_1 + W_2 + \dots + W_k = 100 \quad \dots (3)$$

where T_n ($^{\circ}$ C) is an onset temperature of an absorbed heat quantity curve of a wax component N in a differential scanning calorimeter (DSC), K is an integer in excess of 1, and W_n (wt%) is a compound rate occupied in said wax,

wherein a melting point of at least one of said plurality of wax components, which is defined as a maximum peak of the absorbed heat quantity curve at a time of temperature rise, is set in a range of 50 $^{\circ}$ C to 120 $^{\circ}$ C in a DSC curve measured by the differential scanning calorimeter, and

wherein said wax comprises a rationalized molecular weight distribution by including an appropriate amount of a low molecular weight wax component in said wax to maintain sufficient fixing performance, and

wherein at least one of said wax components comprises a crystallinity which is greater

than 85% and less than 93%.

2-3. (Cancelled)

4. (Currently Amended) The electrostatic charge image developing toner according to claim 20 [[1]], wherein the fixing resin comprises at least a vinyl copolymer, which is polymerized in existence of the wax.

5. (Currently Amended) An image forming apparatus comprising:
an electrostatic charge holding member for holding an electrostatic latent image;
an electrostatic charge image developing toner;
a developing unit for developing the electrostatic latent image, using an said electrostatic charge image developing toner,
wherein the electrostatic charge image developing toner comprises:
at least a fixing resin; and
a wax comprising a plurality of wax components, which satisfies following formulae (1), (2) and (3) are satisfied

$$T = \sum_{N=1}^k T_n \cdot W_n / 100 \quad \dots (1)$$

$$T > 56 \quad \dots (2)$$

$$W_1 + W_2 + \dots + W_k = 100 \quad \dots (3)$$

where T_n ($^{\circ}$ C) is an onset temperature of an absorbed heat quantity curve of a wax

component N in a differential scanning calorimeter (DSC), K is an integer in excess of 1, and W_n (wt%) is a compound rate occupied in said wax,

wherein a melting point of at least one of said plurality of wax components, which is defined as a maximum peak of the absorbed heat quantity curve at a time of temperature rise, is set in a range of 50 °C to 120 °C in a DSC curve measured by the differential scanning calorimeter, and

wherein said wax comprises ~~a rationalized molecular weight distribution by including~~ an appropriate amount of a low molecular weight wax component in said wax to maintain sufficient fixing performance while maintaining heat resistance and durability.

6. (Currently Amended) The electrostatic charge image developing toner according to claim 20 [[1]], wherein the wax is present in an amount of 0.5 wt% to 10 wt% with respect to a total amount of said fixing resin and said wax.

7. (Previously Presented) The electrostatic charge image developing toner according to claim 6, wherein the wax is present in an amount of 3.0 wt% to 6.0 wt% with respect to a total amount of said fixing resin and said wax.

8. (Currently Amended) The electrostatic charge image developing toner according to claim 20 [[1]], wherein said plurality of wax components comprises one of a natural wax or and a synthetic wax.

9. (Currently Amended) The electrostatic charge image developing toner according to claim 8, wherein said natural wax comprises one of animal wax, mineral wax or and

petroleum wax.

10. (Currently Amended) The electrostatic charge image developing toner according to claim 8, wherein said synthetic wax comprises ~~one of~~ a Fischer-Tropsch wax or and polyethylene wax.

11. (Currently Amended) The electrostatic charge image developing toner according to claim 20 [[1]], wherein said fixing resin comprises ~~one of~~ a homopolymer of styrene, a substituted homopolymer of styrene, styrene copolymer, poly(vinyl chloride), phenol resin, natural modified phenol resin, natural resin modified maleate resin, acrylic resin, methacrylic resin, poly (vinyl acetate), silicon resin, polyester resin, polyurethane, polyamide resin, furan resin, epoxy resin, xylene resin, polyvinylbutyral, terpene resin, chroman-indene resin, or and petroleum resin.

12. (Currently Amended) The electrostatic charge image developing toner according to claim 11, wherein said fixing resin comprises ~~one of~~ styrene copolymer or and polyester resin.

13. (Currently Amended) The electrostatic charge image developing toner according to claim 20 [[1]], wherein said plurality of wax components comprise ~~one of~~ polyethylene wax, a paraffin wax, alpha olefin wax having 81% crystallinity and a melting point of 63.2°C, or and a Fischer-Tropsch wax.

14. (Currently Amended) The electrostatic charge image developing toner according to claim 20 [[1]], wherein at least one of said plurality of wax components comprises a low

molecular weight wax and at least one of said plurality of wax components comprises a molecular weight which is higher than a molecular weight of said low molecular weight wax.

15-19. (Canceled)

20. (Previously Presented) An electrostatic charge image developing toner, comprising:

a fixing resin; and

a wax comprising a plurality of wax components;

wherein following formulae (1), (2) and (3) are satisfied

k

$$T = \sum_{N=1}^k T_N \cdot W_N / 100 \quad \dots (1)$$

N=1

$$T > 56 \quad \dots (2)$$

$$W_1 + W_2 + \dots + W_k = 100 \quad \dots (3)$$

where T_N ($^{\circ}$ C) is an onset temperature of an absorbed heat quantity curve of a wax component N in a differential scanning calorimeter (DSC), K is an integer in excess of 1, and W_N (wt%) is a compound rate occupied in said wax,

wherein a melting point of at least one of said plurality of wax components, which is defined as a maximum peak of the absorbed heat quantity curve at a time of temperature rise, is set in a range of 50 $^{\circ}$ C to 120 $^{\circ}$ C in a DSC curve measured by the differential scanning calorimeter, and

wherein at least one of said wax components comprises a crystallinity which is greater than 85% and less than 93%.

21. (New) An image forming apparatus comprising:

an electrostatic charge holding member for holding an electrostatic latent image;
an electrostatic charge image developing toner;
a developing unit for developing the electrostatic latent image, using said electrostatic charge image developing toner,

wherein the electrostatic charge image developing toner comprises:

a fixing resin; and

a wax comprising a plurality of wax components, which satisfies following formulae (1), (2) and (3) are satisfied

$$T = \sum_{N=1}^k T_n \cdot W_n / 100 \quad \dots (1)$$

$$T > 56 \quad \dots (2)$$

$$W_1 + W_2 + \dots + W_k = 100 \quad \dots (3)$$

where T_n ($^{\circ}$ C) is an onset temperature of an absorbed heat quantity curve of a wax component N in a differential scanning calorimeter (DSC), K is an integer in excess of 1, and W_n (wt%) is a compound rate occupied in said wax,

wherein a melting point of at least one of said plurality of wax components, which is defined as a maximum peak of the absorbed heat quantity curve at a time of temperature rise, is set in a range of 50 $^{\circ}$ C to 120 $^{\circ}$ C in a DSC curve measured by the differential scanning calorimeter, and

wherein at least one of said wax components comprises a crystallinity which is greater

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than 85% and less than 93%.